



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/13/2011

Ryan Mingo
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Lisa Glazer
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Lisa Glazer was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in cursive script, likely belonging to Annie Dookhan.

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us

DRUG RECEIPT

CC #

BOOK #

64

PAGE #

87

DESTRUCTION #

District/Unit

A-1 DCU

Name & Rank of Arresting Officer

S/D Wm DWAN

ID#

10060

DEFENDANT'S NAME

ADDRESS

CITY

STATE

J.P.

MA

EVERETT

MA

LAB USE ONLY

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHTANALYSIS
NUMBER

CRACK COCAINE

1 p/B

2.12g

CRACK COCAINE

1 p/B

2.15g

To be completed by ECU personnel only

Name and Rank of Submitting Officer

Sybil White

ID#

11064

Received by

EIO

Date

3-30-11

ECU Control #

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006

UNIVERSITY OF NEW HAVEN

Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 – May 2007)

University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

No. [REDACTED] Date Analyzed: 04-20-11
City: [REDACTED] U. Police Dept. 04-22-11
Officer: [REDACTED]
Def: [REDACTED] Subst: SUB
Amount: 1 Cont: pb
No. Cont: 1
Date Rec'd: 03/30/2011
Gross Wt.: 2.15 ✓

No. Analyzed:
Net Weight: 0.11g
Tests: 6
2950
Findings: cocaine
Prelim: cocaine

No. [REDACTED] Date Analyzed: 04-22-11
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]
Amount: [REDACTED] Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 03/30/2011
Gross Wt.: 2.12 ✓

No. Analyzed:
Net Weight: 0.13g
Tests: 6
2950
Findings: cocaine
Prelim: cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

WAG

No. of samples tested: _____

Evidence Wt. ✓

PHYSICAL DESCRIPTION:

signed & sealed

Gross Wt (): _____

Gross Wt (): 0.2078g

Pkg. Wt: 0.0693g

Net Wt: 0.1385g

- 1 pb w/ off white
rock-like substance

EXPEDITED

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate

(+) better w/ acid

Marquis

(-)

Froehde's

(-)

Mecke's

(-)

Microcrystalline Tests

Gold
Chloride

(+)

TLTA

(+) w/ acid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

cocaine (+)

DATE

4/12/11

GC/MS CONFIRMATORY TEST

RESULTS

cocaine

MS
OPERATOR

ASD

DATE

4/22/11

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

WAG

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTION:

signed & sealed
- 1 pb w/ off white rock
like substance

Gross Wt (): _____

Gross Wt (): 0.1878g

Pkg. Wt: 0.0680g

Net Wt: 0.1198g

Expedited

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

⊕ better w/ acid

Marquis

⊖

Froehde's

⊖

Mecke's

⊖

Microcrystalline Tests

Gold
Chloride

⊕

TLTA

⊕ w/ acid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

Cocaine Ⓢ

DATE

4/12/11

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS
OPERATOR

ASD

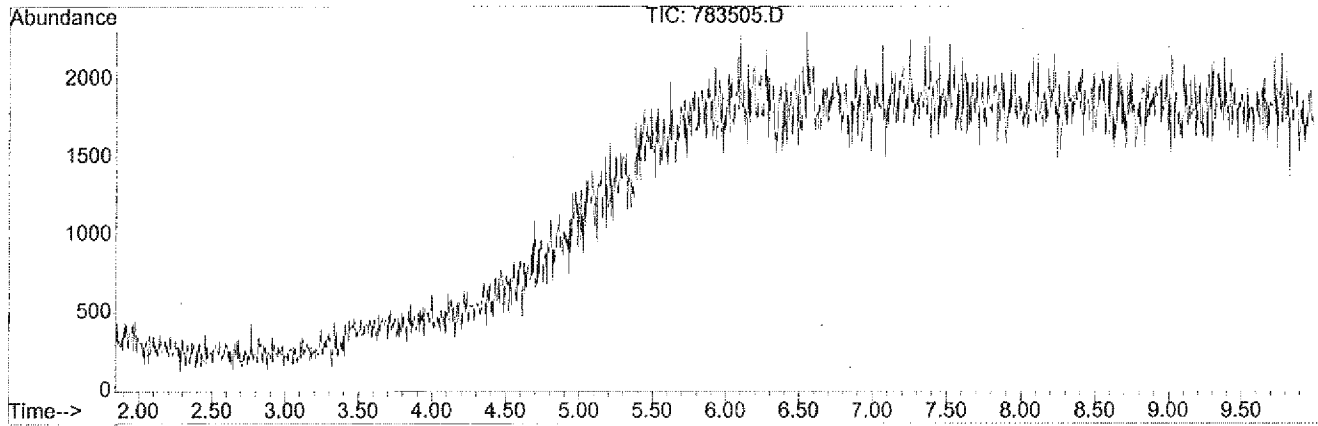
DATE

4/22/11

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783505.D
Operator : LAG
Date Acquired : 20 Apr 2011 12:50
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



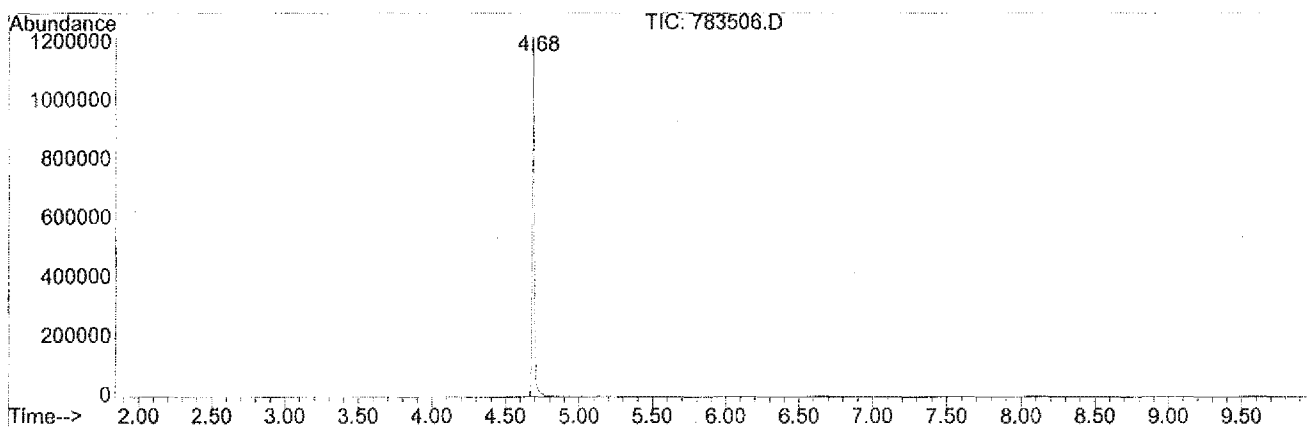
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783506.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 13:02
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.680 | 1206984 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

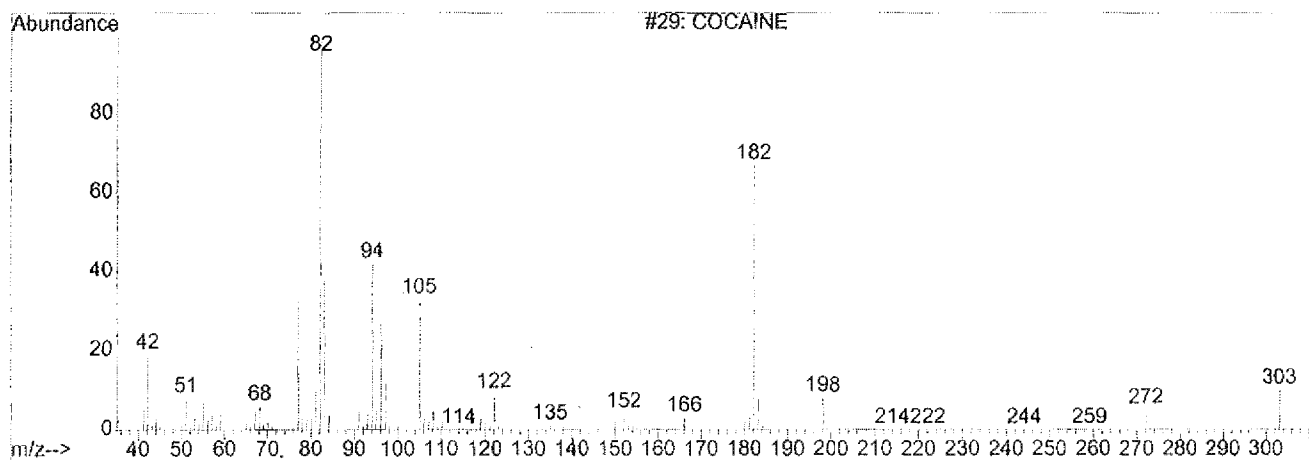
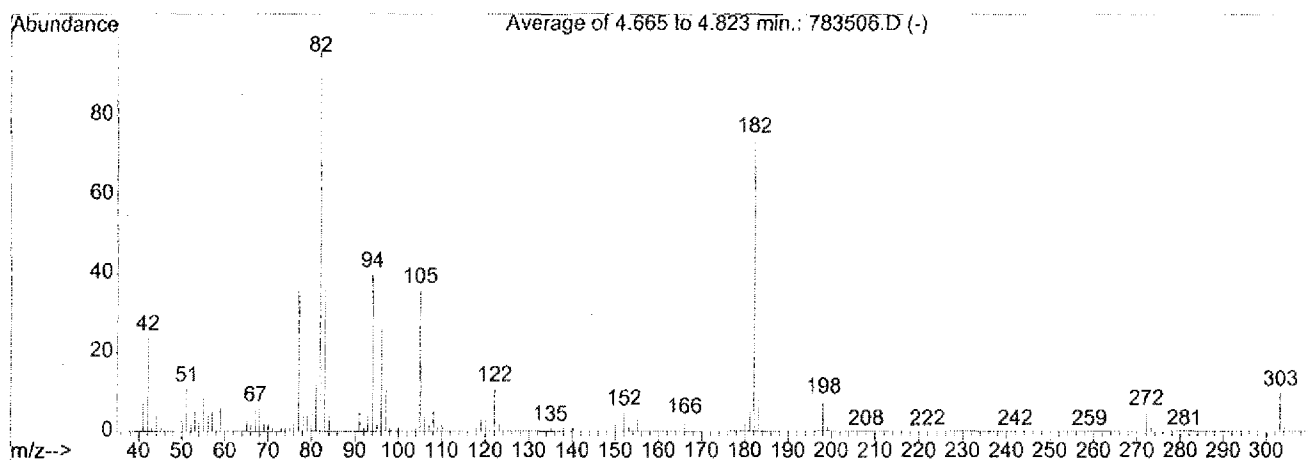
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File Name       : J:\04_20_11\783506.D
Operator        : LAG
Date Acquired   : 20 Apr 2011  13:02
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 6
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

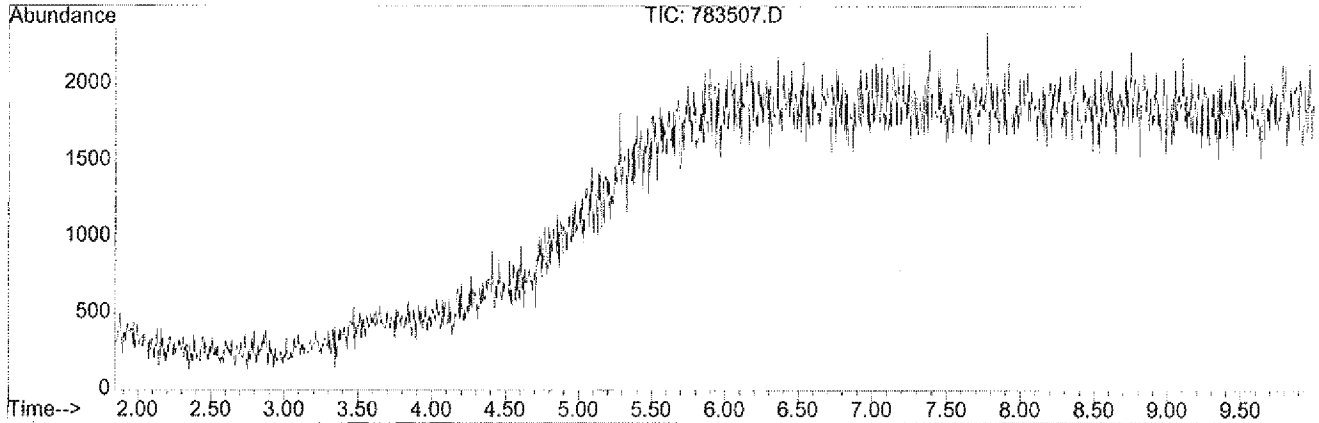
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.68 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783507.D
Operator : LAG
Date Acquired : 20 Apr 2011 13:15
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



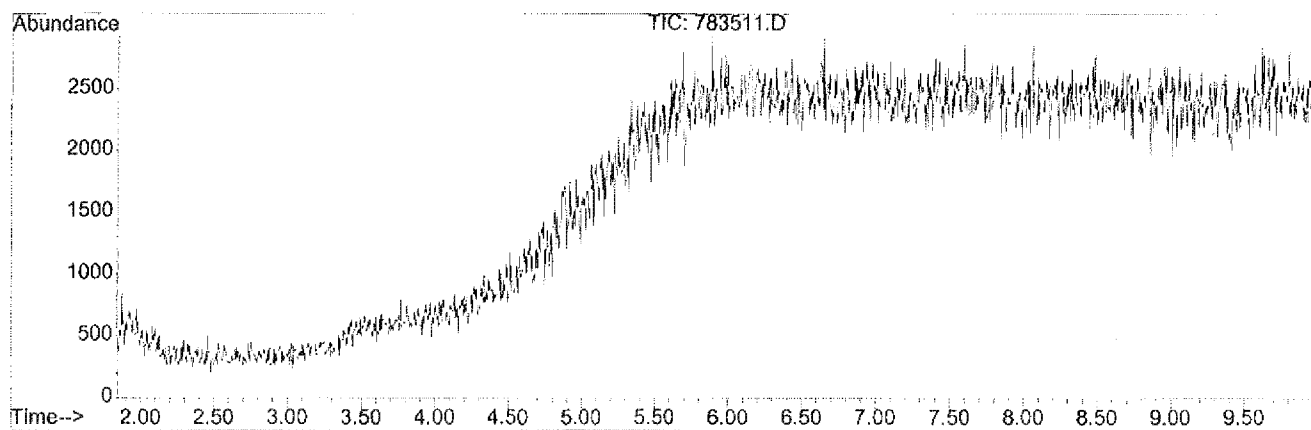
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783511.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:05
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



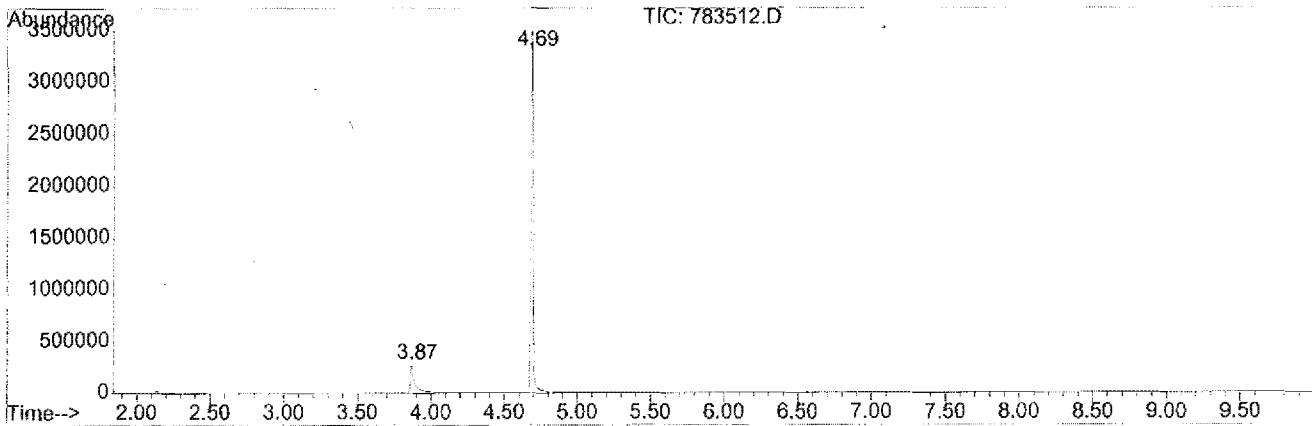
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 14:18
 Sample Name : XXXXXXXXXX
 Submitted by : LAG
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.865 | 596214 | 13.65 | 15.81 |
| 4.686 | 3771756 | 86.35 | 100.00 |

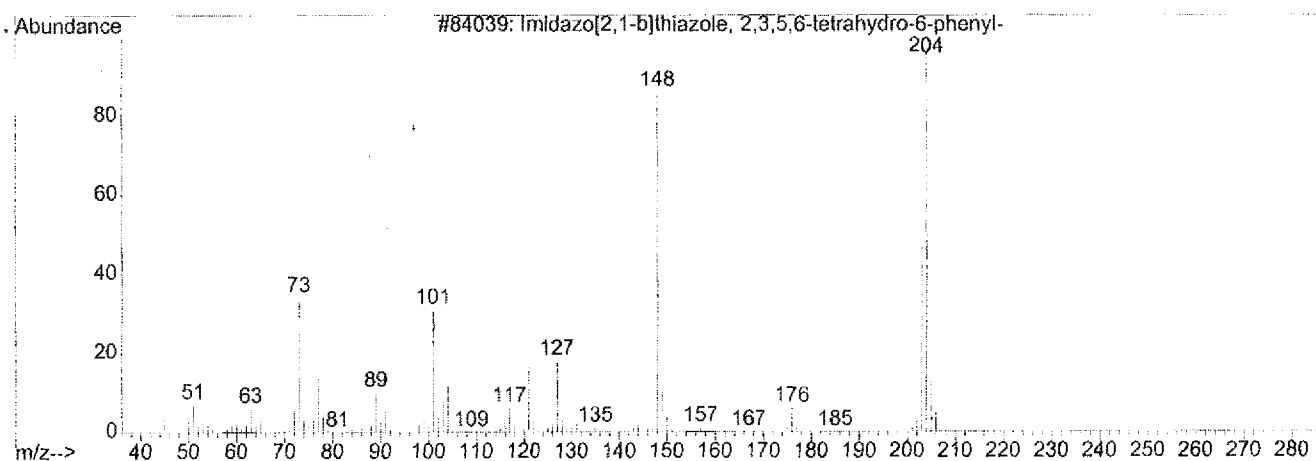
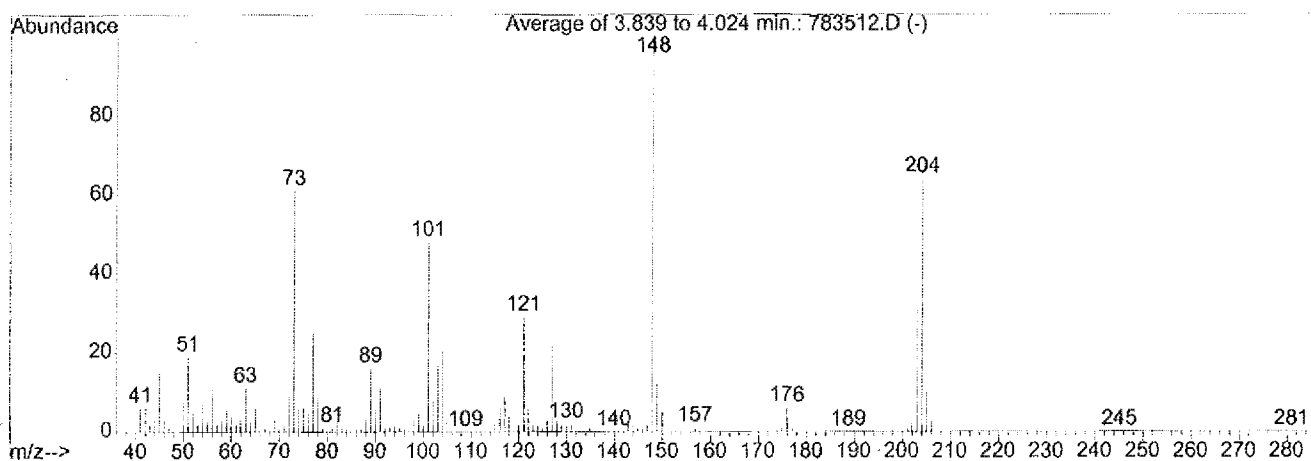
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 14:18
 Sample Name : XXXXXXXXXX
 Submitted by : LAG
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 1 | 3.87 | C:\DATABASE\NIST98.L | | |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 98 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 97 |
| | | Imidazo[2,1-b]thiazole, 2,3,5,6-tet | 006649-23-6 | 97 |



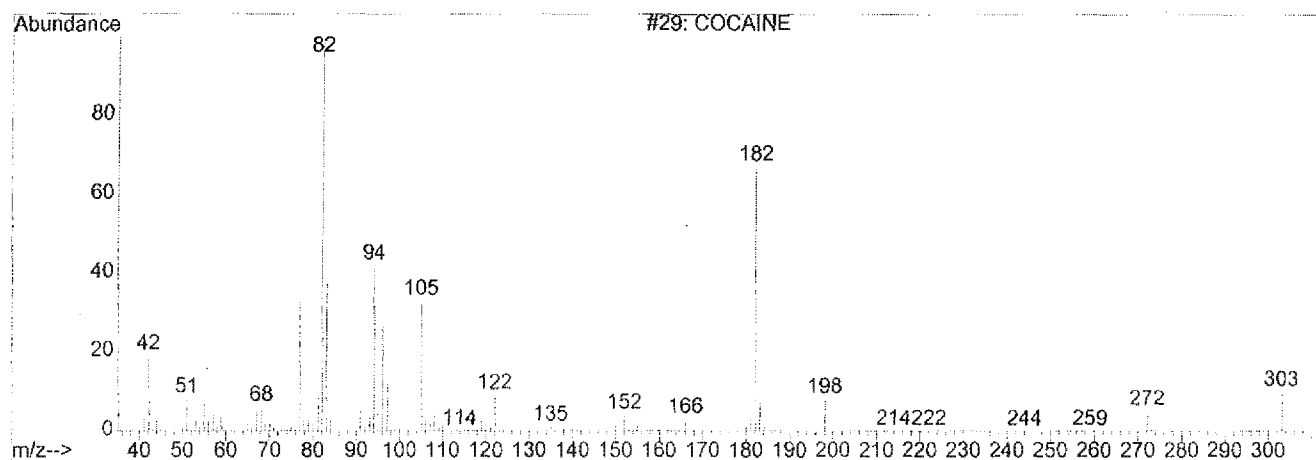
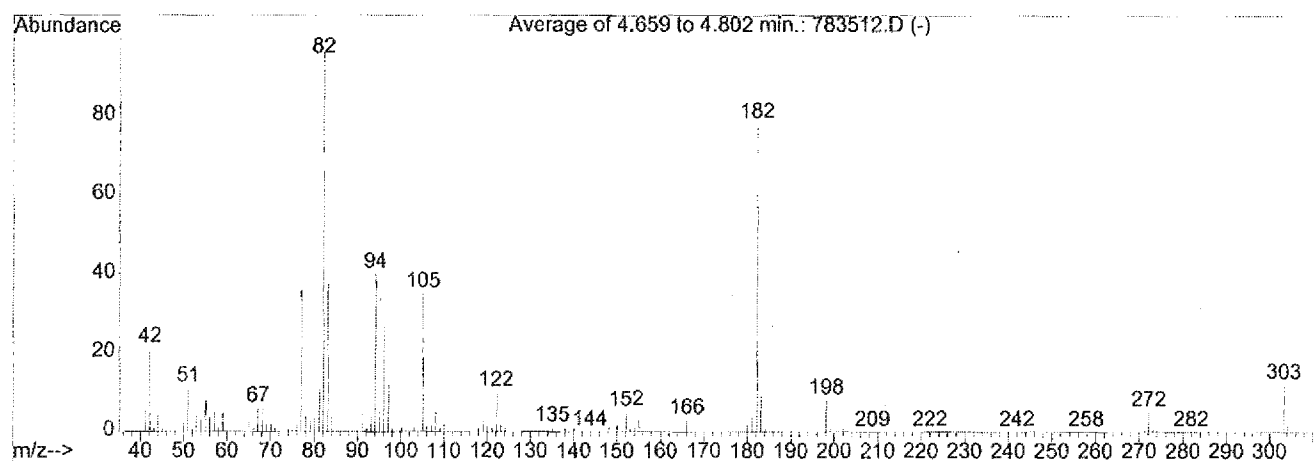
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 14:18
 Sample Name : XXXXXXXXXX
 Submitted by : LAG
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

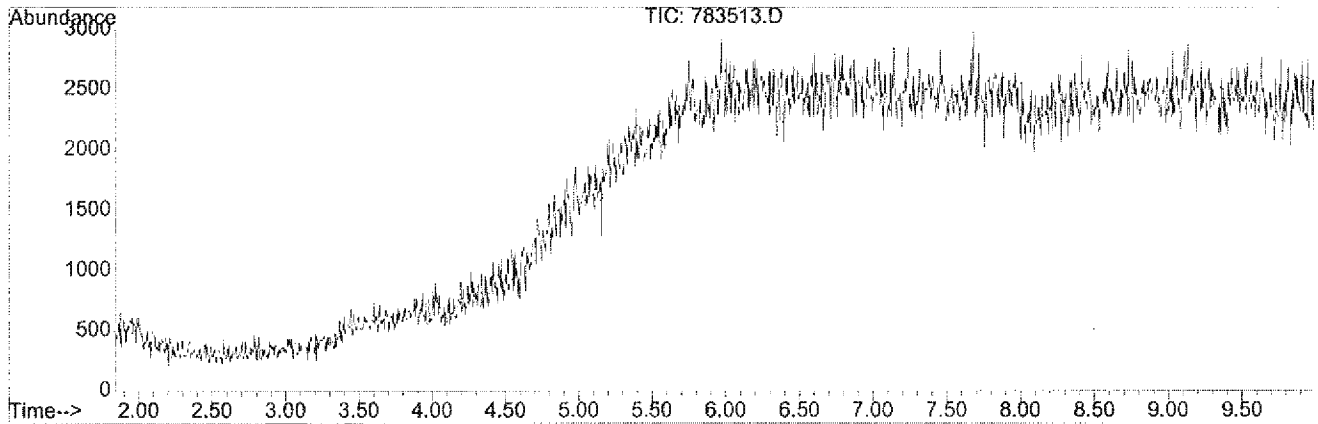
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 2 | 4.69 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783513.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:31
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



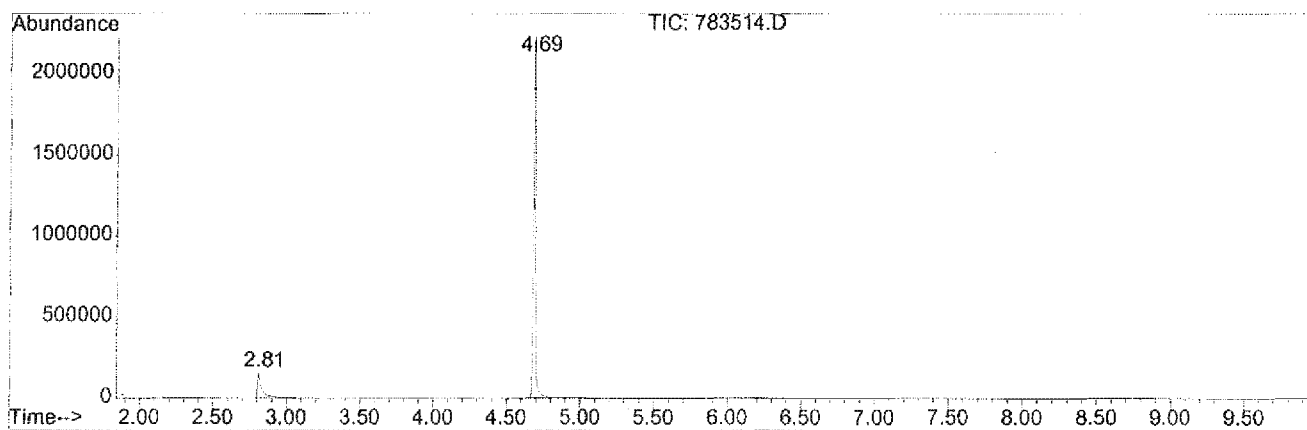
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783514.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:43
Sample Name : XXXXXXXXXX
Submitted by : LAG
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 2.811 | 330225 | 12.50 | 14.28 |
| 4.686 | 2312197 | 87.50 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

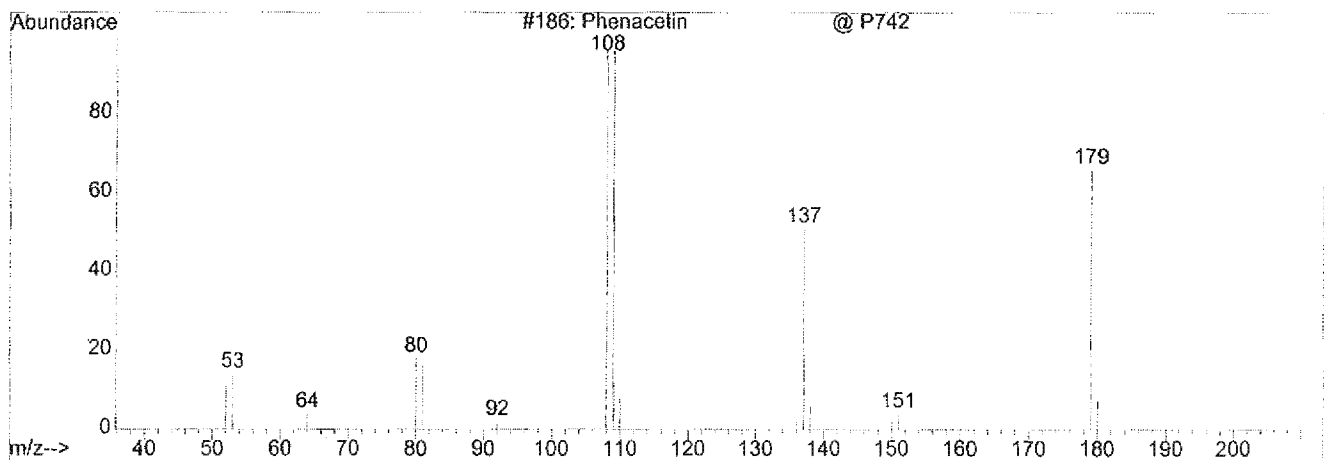
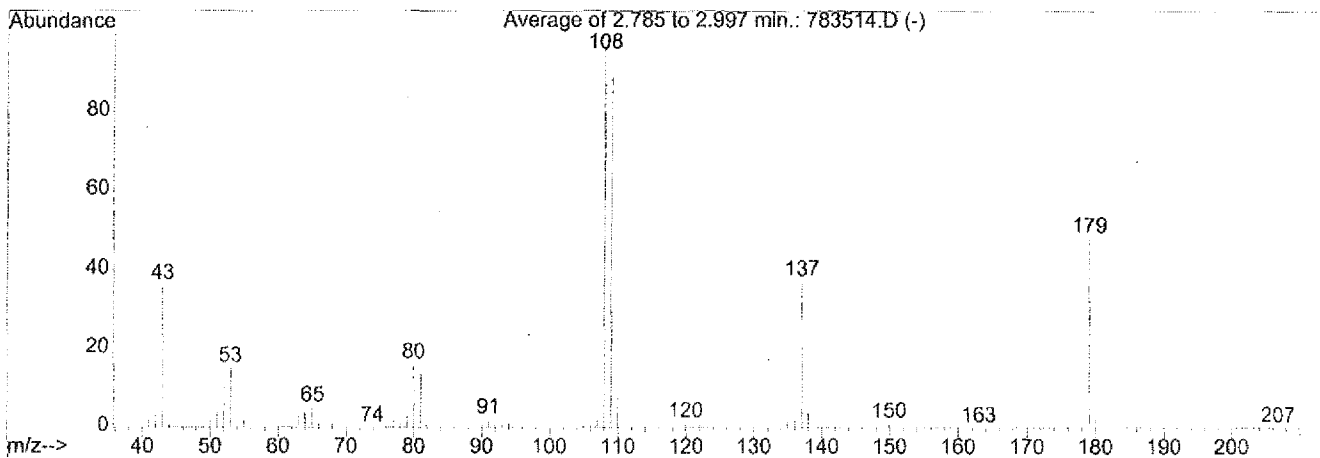
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File Name       : J:\04_20_11\783514.D
Operator        : LAG
Date Acquired   : 20 Apr 2011  14:43
Sample Name     : 
Submitted by    : LAG
Vial Number     : 14
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|---------------|------|
| 1 | 2.81 | C:\DATABASE\PMW_TOX2.L | | |
| | | Phenacetin | @ 000062-44-2 | 95 |
| | | Bucetin | 001083-57-4 | 38 |
| | | Formetanate -C2HNO | 000000-00-0 | 27 |



Area Percent / Library Search Report

Information from Data File:

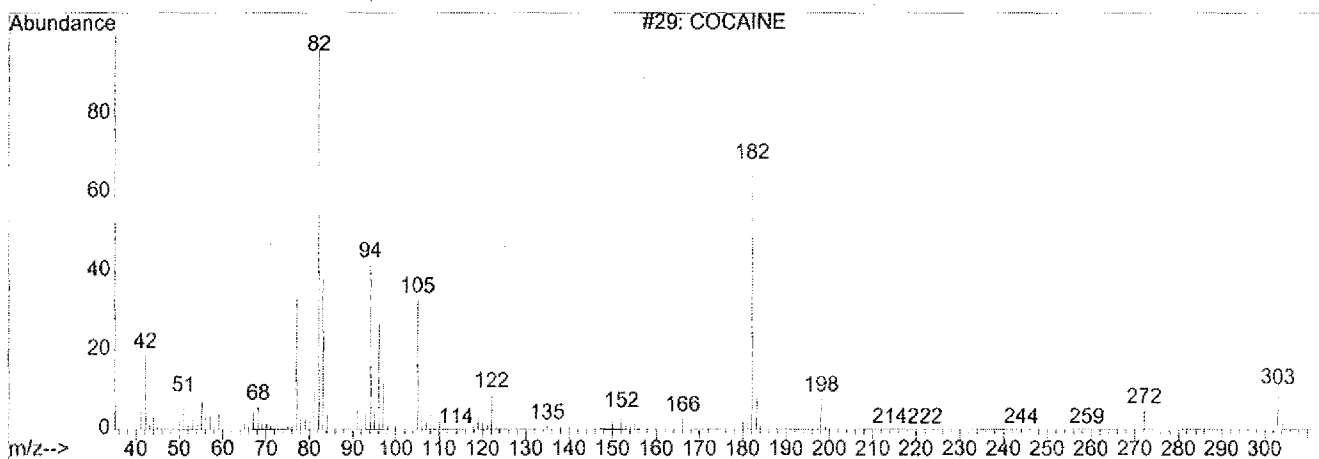
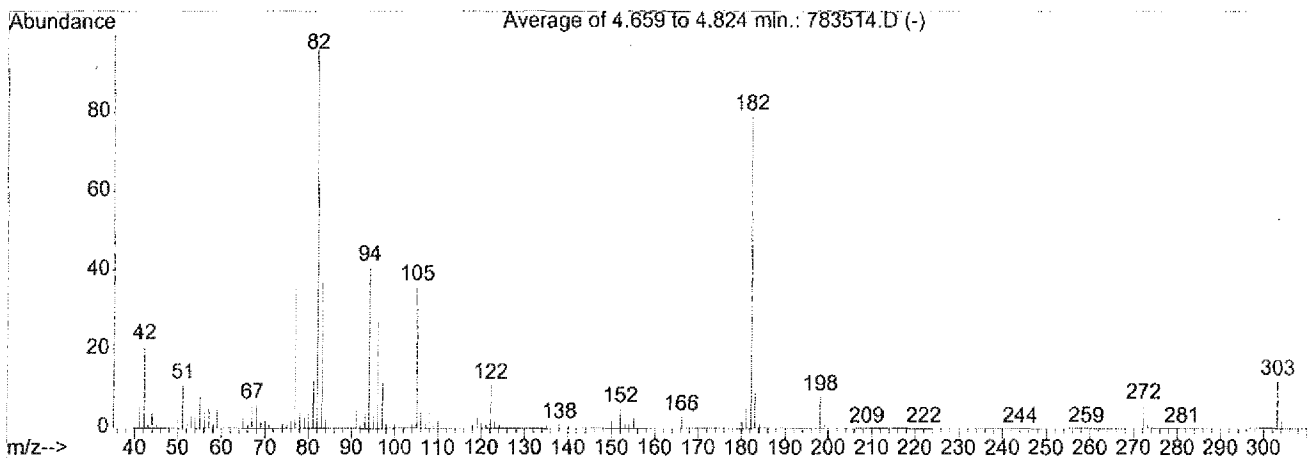
```

File Name       : J:\04_20_11\783514.D
Operator        : LAG
Date Acquired   : 20 Apr 2011  14:43
Sample Name     : 
Submitted by    : LAG
Vial Number     : 14
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

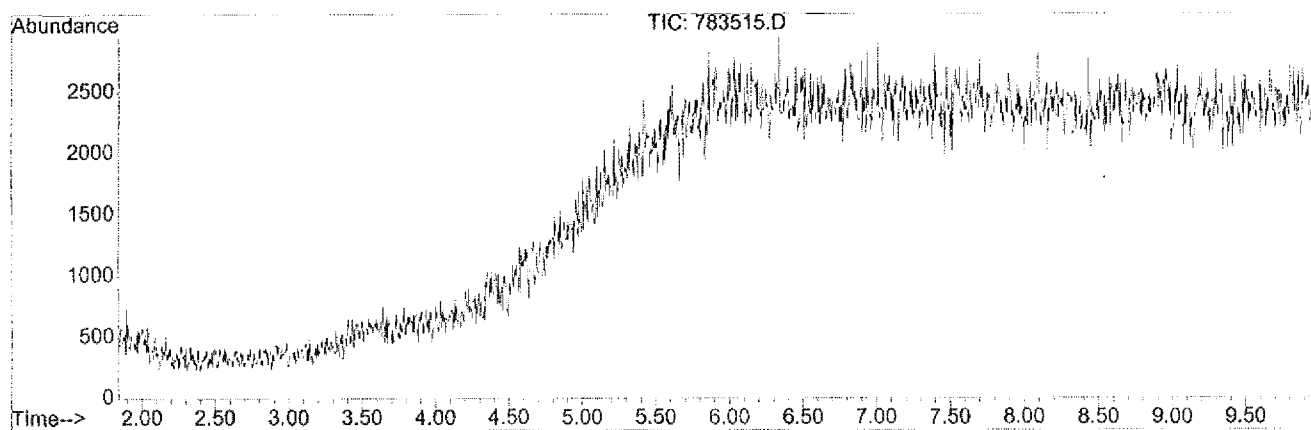
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 2 | 4.69 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783515.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:56
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



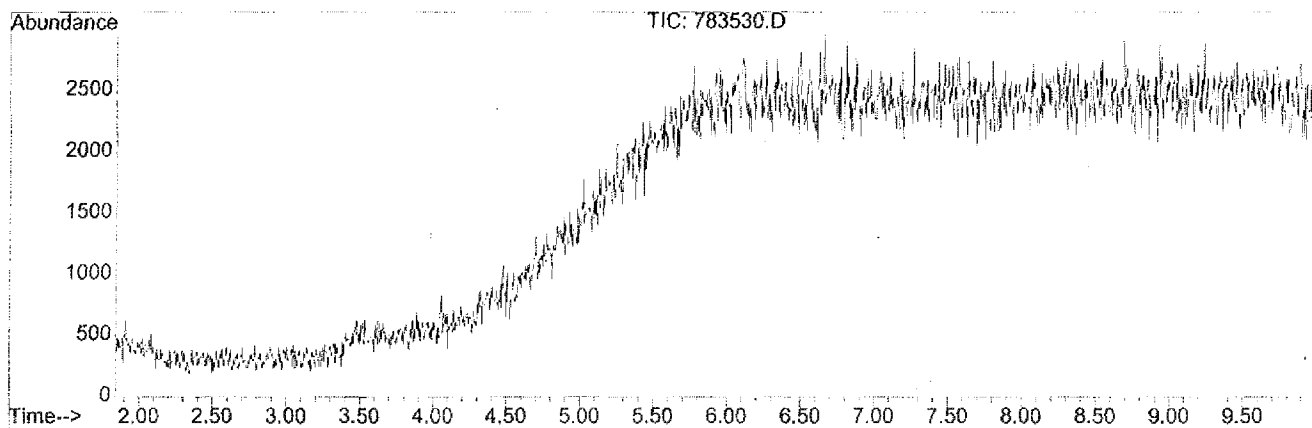
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783530.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:06
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



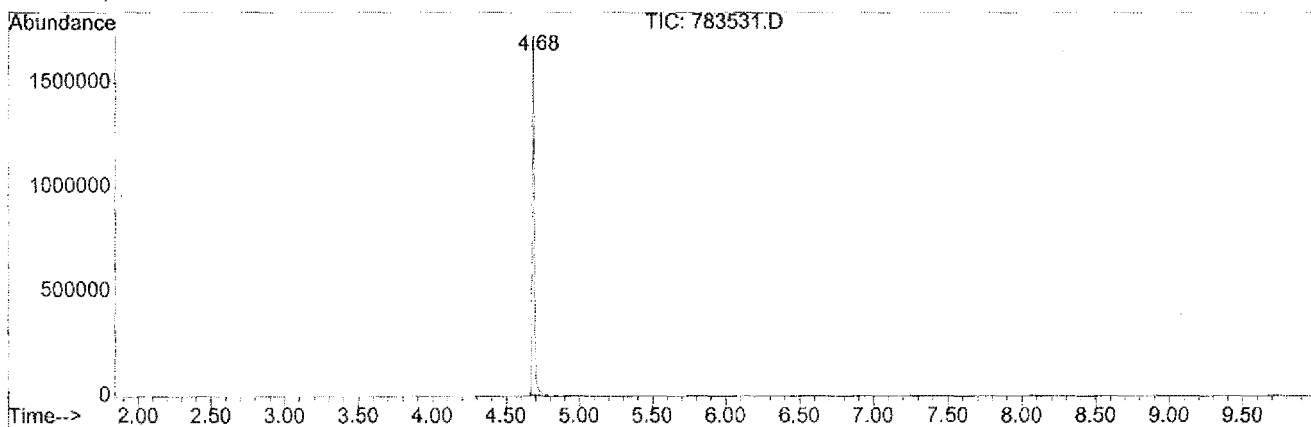
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783531.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:18
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.680 | 1710406 | 100.00 | 100.00 |

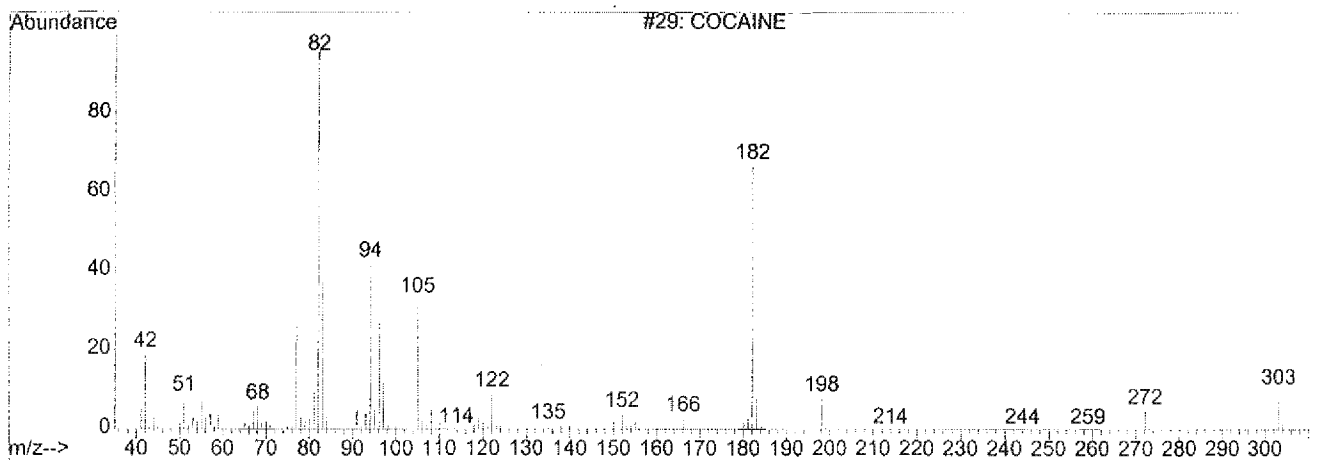
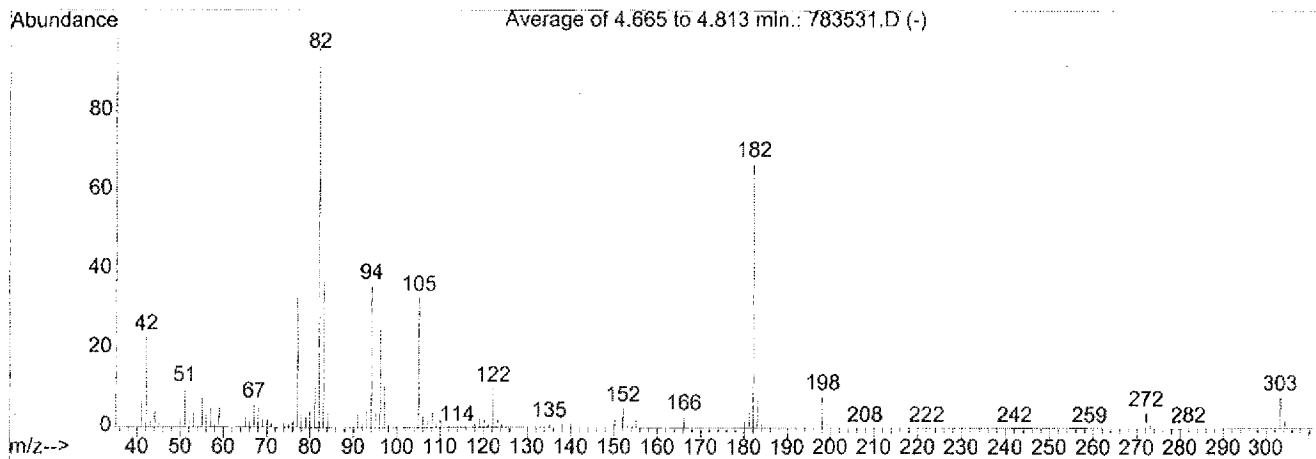
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783531.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 18:18
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

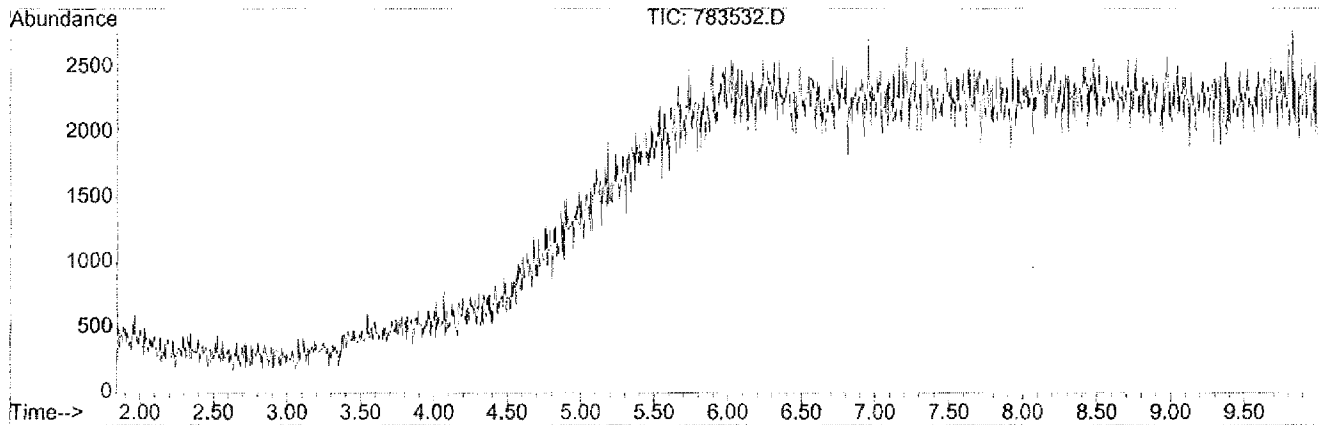
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.68 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783532.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:31
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS